CSE 237A Winter 2023: Individual Project Part 2
Part 2 of 2: Sensor interaction and real-time scheduler Assignment

In this part, you will implement a program which interacts with the RPi4's sensors. The RPi4 provides multiple General Purpose Input/Output (GPIO) connectors, which carry signals to/from the sensors. You will connect the sensors to the RPi4, and implement a user space program using the WiringPi library for GPIO communications. The program you will create emulates a sensor platform that detects emergency situations in operating vehicles. Subsequently, you will use the base code that extends sensors with longer latencies, on which you will implement your energy efficient scheduler.

Complete the following steps:

1. Familiarize yourself with wiringPi: http://wiringpi.com/
2. Connect the sens n skeleton code available in the projects fo
3. Update your se plement a list scheduler considering task
4. Implement an e uld manage the provided standard worklo

Submission:

1. Demo on 2/7/23 r sensor program with an unmodified versi nd actuation scenarios.
2. Submit these file
   a. Four so and assignment2.h
   b. A repo ram and energy-efficient schedul he estimated CPU energy consum